



## SAFETY DATA SHEET DFense Blok Quick Patch Resin

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name DFense Blok Quick Patch Resin

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Two component epoxy based adhesive.

#### 1.3. Details of the supplier of the safety data sheet

Supplier ITW DEVCON  
BAY 150  
SHANNON INDUSTRIAL ESTATE  
SHANNON  
CO CLARE  
IRELAND  
T: +353 (0)61471299  
F: 353(0)61471285  
info@itwpe.eu

#### 1.4. Emergency telephone number

+44(0) 1235 239670

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/38. R43. R52/53.

#### 2.2. Label elements

Contains Reaction product of Epichlorohydrin & Bisphenol A  
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN

Labelling



Irritant

Risk Phrases

R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37 Wear suitable gloves.  
S60 This material and its container must be disposed of as hazardous waste.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

## DFense Blok Quick Patch Resin

Reaction product of Epichlorohydrin & Bisphenol A	10-30%
CAS-No.: 25085-99-8	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36,R38. R43.
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN	10-30%
CAS-No.: 28064-14-4	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/38. N;R51/53. R43.
TITANIUM DIOXIDE	< 1%
CAS-No.: 13463-67-7	EC No.: 236-675-5
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

Inhalation

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped.

Ingestion

DO NOT INDUCE VOMITING! Consult a physician for specific advice. Never give liquid to an unconscious person.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

#### **4.2. Most important symptoms and effects, both acute and delayed**

#### **4.3. Indication of any immediate medical attention and special treatment needed**

### SECTION 5: FIREFIGHTING MEASURES

#### **5.1. Extinguishing media**

Extinguishing media

Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media

Foam. Water.

#### **5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products

None under normal conditions.

#### **5.3. Advice for firefighters**

Special Fire Fighting Procedures

Evacuate area of unprotected personnel. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Use air-supplied respirator, gloves and protective goggles.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, then flush area with water.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Provide good ventilation. Avoid inhalation of vapours.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store in tightly closed original container in a dry and cool place.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TITANIUM DIOXIDE			10 mg/m3 total dust			

### 8.2. Exposure controls

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

Wear approved safety goggles.

Other Protection

Provide eyewash station and safety shower.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	solid
Odour	Mild.
Initial boiling point and boiling range	
Not determined.	
Melting point (°C)	
Not determined.	
Relative density	>1
Vapour density (air=1)	>1
Evaporation rate	
Not determined.	
pH-Value, Conc. Solution	neutral
Flash point (°C)	93.3

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Auto Ignition Temperature (°C)

Not determined.

### 9.2. Other information

#### SECTION 10: STABILITY AND REACTIVITY

##### 10.1. Reactivity

No specific reactivity hazards associated with this product.

##### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

##### 10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Unknown.

##### 10.4. Conditions to avoid

Avoid heat. Avoid contact with strong oxidisers. Avoid contact with acids.

##### 10.5. Incompatible materials

Materials To Avoid

Acids, oxidising. Strong acids. Amines.

##### 10.6. Hazardous decomposition products

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### 11.1. Information on toxicological effects

#### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data on possible environmental effects have been found.

##### 12.1. Toxicity

##### 12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

##### 12.3. Bioaccumulative potential

##### 12.4. Mobility in soil

##### 12.5. Results of PBT and vPvB assessment

##### 12.6. Other adverse effects

Not determined.

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

#### SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

##### 14.1. UN number

Not applicable.

##### 14.2. UN proper shipping name

Not applicable.

##### 14.3. Transport hazard class(es)

# DFense Blok Quick Patch Resin

Transport Labels

No transport warning sign required.

## **14.4. Packing group**

Not applicable.

## **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

## **14.6. Special precautions for user**

Not applicable.

## **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

Revision Date	05/01/2012
Revision	1
Risk Phrases In Full	
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.